

Claims

1. A support for an electrical display device such as a monitor including a pair of support members connected by a pivot joint to enable relative movement of the support members about an axis of rotation, the joint including an outer hub
5 mounted for rotation about the axis within a clamping member attached to one support member, an inner hub mounted to the other support member coaxial with the outer hub and being rotatable about the axis relative to the outer hub in a first direction and, a clutch member between the inner and outer hub engageable in
10 response to rotation of the inner hub in the opposite direction such that the outer hub rotates together with the inner hub when a compressive force exerted on the outer hub by the clamping member is overcome.
2. A support for an electrical display device according to claim 1, wherein the
15 clutch member comprises a coiled element disposed around the inner hub such that the inner hub rotates relative to the coiled element in the first direction, the coiled element being drawn radially inward toward the axis of rotation in response to rotation of the inner hub in the opposite direction such that it binds and rotates with the inner hub, the coiled element being connected to the outer hub such that
20 the outer hub rotates together with the coiled element.
3. A support for an electrical display device according to claim 1 or claim 2, wherein each support member is an arm, one end of a first arm having mounting means thereon for attaching it to a wall or a support post, the remote end of said
25 first arm being connected to one end of a second arm by the pivot joint which allows the second arm to pivot up and down in a vertical plane.
4. A support for an electrical display device according to claim 3, including cooperating means for connecting the clamping member to the first arm, the
30 clamping member having a bearing seat to receive and locate the outer hub and the cooperating means being configured to enable the compressive force exerted on the outer hub to be adjusted.

5. A support for an electrical display device according to claim 4, wherein the cooperating means is also configured to enable the clamping member to pivot about a second vertical axis relative to the first arm.
- 5 6. A support for an electrical display device according to any of claims 2 to 5, wherein the coiled element is disposed in an annular space formed between the inner and outer hub.
7. A support for an electrical display device according to claim 6, wherein the
10 coiled element is a spring.
8. A support for an electrical display device according to claim 7, including attachment means on one end of the spring and on the outer hub for attaching the spring to the hub.
- 15 9. A support for an electrical display device according to claim 8, wherein the attachment means comprises a hook portion on the spring and a notch in the outer hub, the hook portion and notch cooperating with each other to attach the spring to the outer hub.
- 20 10. A support for an electrical display device such as a monitor including a pair of support members connected by a universal joint comprising a part spherical bearing immovably mounted on one support member and received within a bearing seat pivotally mounted to the other support member to enable relative movement
25 between the bearing and the bearing seat in any direction and, between the bearing seat and the other support member about a pivot axis.
11. A support for an electrical display device according to claim 10, wherein the bearing seat comprises a looped element or strap that supports and partially
30 encircles the bearing, the ends of the looped element being pivotally mounted to the support member.

12. A support for an electrical display device according to claim 11, comprising corresponding apertures formed in the ends of the looped element and the support member to receive a fastening member to pivotally attach the looped element to the support member so that a compressive force is exerted by the looped element on
5 the bearing.
13. A support for an electrical display device according to claim 12, wherein a resilient material layer is disposed between at least one end of the looped element and the support member to enable the compressive force exerted on the bearing to
10 be adjusted by tightening or loosening the fastening member.
14. A support for an electrical display device according to any of claims 10 to 13, wherein one support member is a support arm and the other support member is a support plate to receive and mount a display device.
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15. A support for an electrical display device according to claim 14, wherein the bearing is immovably mounted to the support plate and the bearing seat is pivotally mounted to the support arm to enable rotation of the bearing seat about the pivot axis.
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16. A support for an electrical display device according to claim 15, wherein the support plate includes a mounting surface for the display device and a socket to receive and immovably mount the bearing.
- 25 17. A support for an electrical display device according to claim 15 or claim 16, wherein the bearing and support plate are integrally formed.
18. A support for an electrical display device according to claim 14, wherein the bearing is immovably mounted to the support arm and the bearing seat is pivotally
30 mounted to the support plate.

19. A support for an electrical display device according to claim 18, wherein the support arm comprises a pair of parallel support legs, the legs being spaced from each other by the bearing.
- 5 20. A support for an electrical display device according to claim 18 or 19, wherein the support plate includes a mounting surface for the display device and a head portion to pivotally mount the bearing seat thereto for rotation about the pivot axis.
- 10 21. A support for an electrical display device substantially as hereinbefore described with reference to the accompanying drawings.